

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/02/05

Date Received: 05/19/05

Project: Metro Self Monitor, PO# M96187, F&BI 505211

Date Extracted: 06/01/05

Date Analyzed: 06/01/05

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS
BY EPA METHOD 6010**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M96187 505211-01	0.55	0.82	0.84	<0.05
Method Blank	<0.05	<0.05	<0.10	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/02/05

Date Received: 05/19/05

Project: Metro Self Monitor, PO# M96187, F&BI 505211

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS BY EPA METHOD 6010

Laboratory Code: 505211-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	RPD (Limit 20)
Chromium	mg/L (ppm)	0.55	0.53	4	0-20
Copper	mg/L (ppm)	0.82	0.84	2	0-20
Nickel	mg/L (ppm)	0.84	0.79	6	0-20
Zinc	mg/L (ppm)	<0.05	<0.05	nm	0-20

Laboratory Code: 505211-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Control Limits
Chromium	mg/L (ppm)	5	0.55	94	50-150
Copper	mg/L (ppm)	5	0.82	97	50-150
Nickel	mg/L (ppm)	10	0.84	93	50-150
Zinc	mg/L (ppm)	5	<0.05	110	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/L (ppm)	5	95	70-130
Copper	mg/L (ppm)	5	94	70-130
Nickel	mg/L (ppm)	10	97	70-130
Zinc	mg/L (ppm)	5	112	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

June 2, 2005

DUPLICATE COPY

INVOICE # 05ACU0602-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M96187, F&BI 505211 - Results of testing
requested by Gerry Thompson for material submitted on May 19, 2005.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010B @ \$80 per sample	\$ 80.00
Amount Due	\$ 80.00

FEDERAL TAX ID #

(b) (6)

505211

SAMPLE CHAIN OF CUSTODY

CM 05-19-05

AD4

Send Report To

Gerran Thompson

Company

ALASKAN Copper works

Address

628 S. Hammond St

City, State, ZIP

Seattle WA 98134

Phone #

206-382-8879 Fax # 206-382-4309

SAMPLERS (signature)

PROJECT NAME/NO.

METRO S&S Monitor

PO #

M96187

REMARKS

Page # of

TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH 10 Days

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes				
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS									
M 96187	01	5/19/05	12:45 PM	H2O	1								X	CHC, MTZ						

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

G. Thompson

Nhan Phan

Hew

Fe B I

5/19/05

5/19/05

1:23pm

V

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

June 2, 2005

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134


Dear Mr. Thompson:

Included are the results from the testing of material submitted on May 19, 2005 from the Metro Self Monitor, PO# M96187, F&BI 505211 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow
Chemist

Enclosures
ACU0602R.DOC